



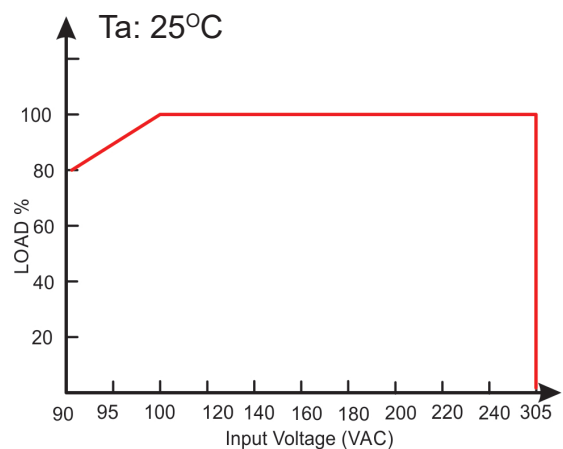
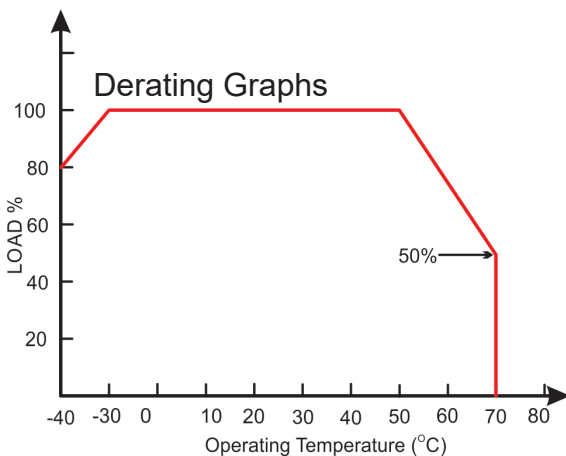
Features:

- 50W Single Output - Regulated
- Output Range: 12V - 24VDC
- Input: 90 - 305VAC , 47 - 440Hz
- Low Standby Power <0.1W
- Height 23.1mm
- Fully Isolated Pri - Sec 4000Vrms
- EMC Compliant without external components
- Materials: UL94-V0
- Safety: UL/IEC/EN62368-1, EN60335-1, CE,

Part Number	Power Rating Watts	Output Voltage (Vdc)	Output Current (mA)	Ambient Temp. (°C)	Efficiency Typical	Input Range
VTX-214-050-112	50	12	4167	70	>88%	90 - 305VAC (120-430VDC)
VTX-214-050-115	50	15	3333			
VTX-214-050-124	50	24	2083			
Note: Other output voltages are available upon request.						

Maximum Capacitive Load:

- 12V: 3500uF
- 15V: 3000uF
- 24V: 2200uF

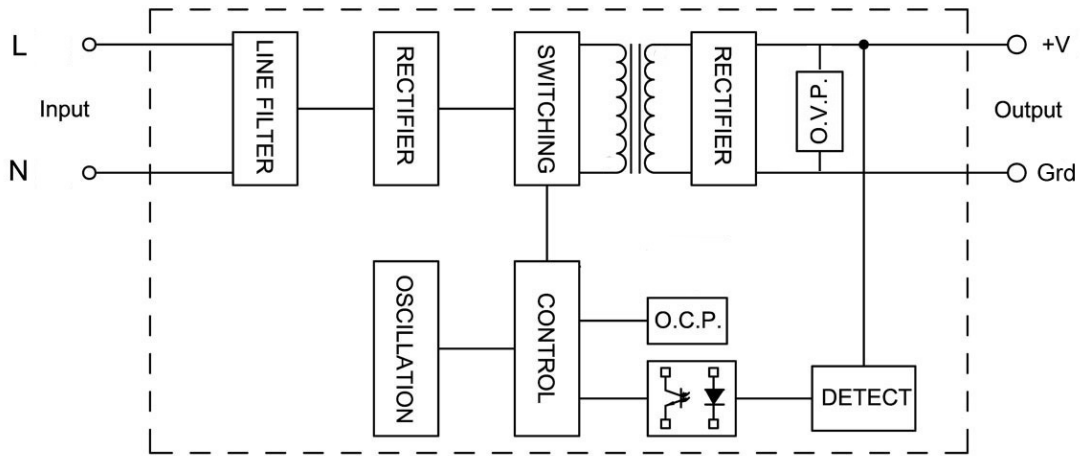


Please contact Vigortronix for any enquiries. Products can be altered to suit custom requirements. The information contained in this document is subject to change without notice.

Model: 50Watt		Specification
INPUT Pin 1: L Pin 2: N	Voltage Range	90 - 305VAC / 47 - 440Hz (120 ~ 430VDC)
	Current	1000mA Max (115VAC) / 600mA Max (230VAC)
	Inrush Current	45A Max (115VAC) / 90A Max (230VAC)
	No Load power	0.15W
	Leakage Current	0.25 mA Max (230VAC)
OUTPUT Pin 3: VDC+ Pin 5: VDC- Pin 4: No Pin	Voltage Accuracy	+/- 2%
	Ripple	<240mV Max (Vp-p)
	Noise	<240mV Max (Vp-p)
	Efficiency	>88%
	Load Regulation	+/-2.5%
	Hold Up Time	10mSec Min.
	Minimum Load	0
Protection	Over Power	Hiccup mode
	Over Voltage	Zener Diode clamp
	Short Circuit Protection	Hiccup mode
Dielectric Isolation	Input to Output	4000Vrms, 2Sec Min.
Enviroment	Operating Temperature	-40°C - +70°C (With Derating)
	Storage Temperature	-40°C - +85°C
	MTBF	>300,000Hrs @ 25°C (MIL-HDBK-217F)
	Weight	150g
	Cooling Method	Free Air convection
Safety	Compliant Standards	UL/IEC/EN62368-1, IEC/EN60335-1, IEC/EN61558-2-16
EMC	EMI	Compliance with EN55032 Class B
	EMS	Compliance with EN55035

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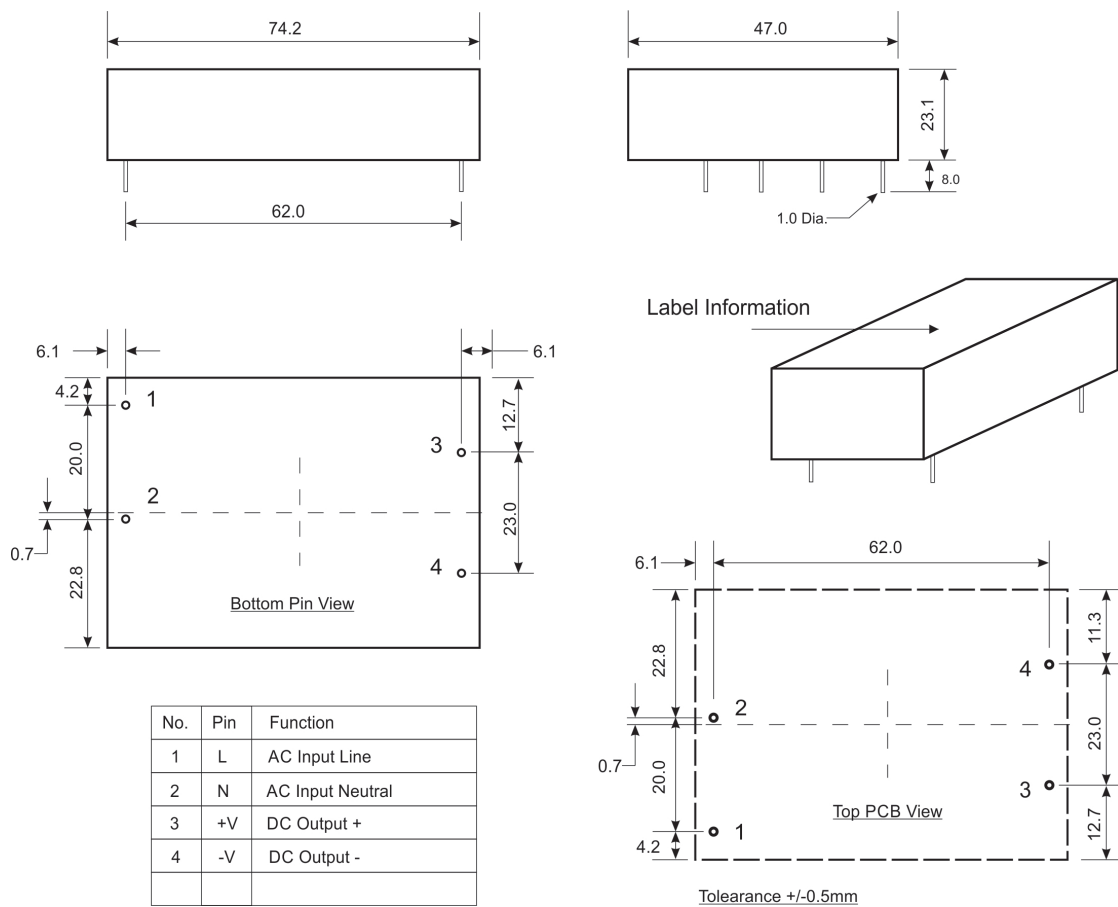
Schematic Diagram



Notes:

It is recommended to improve Surge Protection adding across the Input a MOV, 14D561K

Mechanical Layout



Recommended PCB

Hole size: 1.5mm Dia.

Unit weight: 150g

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